

ABSTRACT

A secured biometric apparatus and method for authenticating only authorized users into secured networks where sensitive information is located and stored. The method having the steps of sending a random number from a remote site to a local site of a user, measuring a first biometric parameter from the user with a biometric reader, comparing the first biometric parameter with a previously stored second biometric parameter, operating on the random number with a math table to create a first cryptogram when a positive match occurs between the first and second biometric parameter, sending the first cryptogram from the local site to the remote site for comparison with an internally generated cryptogram.